

Amendments to the Claims

- 1 1. (currently amended) A computer implemented method for ordering
- 2 multimedia content, comprising the steps of:
 - 3 segmenting the multimedia content to extract ~~objects~~ video object
 - 4 planes;
 - 5 extracting and associating features of the ~~objects~~ video object planes
 - 6 to produce content entities, wherein the content entities are recursive data
 - 7 structures comprising features, relations, directed acyclic graphs and
 - 8 containment sets;
 - 9 coding the content entities to produce directed acyclic graphs of the
 - 10 content entities, each directed acyclic graph representing a particular
 - 11 interpretation of the multimedia content;
 - 12 measuring high-level attributes of each content entity;
 - 13 assigning the measured high-level attributes to each corresponding
 - 14 content entity in the directed acyclic graphs to order the content entities of
 - 15 the multimedia content; and
 - 16 comparing the ordered content entities in a plurality of the directed
 - 17 acyclic graphs to determine similar interpretations of the multimedia
 - 18 content.
- 1 2. (original) The method of claim 1 wherein the measured attributes include
- 2 intensity attributes.
- 1 3. (original) The method of claim 1 wherein the measured attributes include
- 2 direction attributes.

- 1 4. (previously presented) The method of claim 1 wherein the measured
- 2 attributes include spatial attributes and the order is spatial.

- 1 5. (previously presented) The method of claim 1 wherein the measured
- 2 attributes include temporal attributes and the order is temporal.

- 1 6. (original) The method of claim 1 wherein the measured attributes are
- 2 arranged in an increasing rank order.

- 1 7. (original) The method of claim 1 wherein the measured attributes are
- 2 arranged in an decreasing rank order.

- 1 8. (previously presented) The method of claim 1 further comprising the step
- 2 of:
 - 3 traversing the multimedia content according to the directed acyclic
 - 4 graph and the measured attributes assigned to the content entities.

- 1 9. (previously presented) The method of claim 1 further comprising the step
- 2 of:
 - 3 summarizing the multimedia content according to the directed acyclic
 - 4 graph and the measured attributes assigned to the content entities.

- 1 10. (original) The method of claim 1 wherein the multimedia content is a
- 2 three dimensional video sequence.

- 3 11. (original) The method of claim 1 wherein nodes of the directed acyclic
- 4 graphs represent the content entities and edges represent breaks in the
- 5 segmentation, and the measured attributes are associated with the
- 6 corresponding edges.

- 1 12. (original) The method of claim 8 wherein at least one secondary content
- 2 entity is associated with a particular content entity, and wherein the
- 3 secondary content entity is selected during the traversing.

- 1 13. (original) The method of claim 9 wherein a summary of the multimedia
- 2 is a selected permutation of the content entities according to the associated
- 3 ranks.